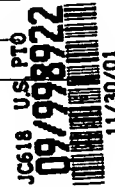


INFORMATION DISCLOSURE STATEMENT

In re Application of: Stephen H. Foulger et al.Attorney Docket No.: CXU-343Serial No.: Not yet knownDate: November 30, 2001Filed: Herewith (November 30, 2001)Art Unit: Not yet knownConfirmation No.: Not yet assignedOur Account No.: 04-1403Title: Chemical Compositions ComprisingCrystalline Colloidal Arrays

Commissioner for Patents
U.S. Patent and Trademark Office
Washington, D.C. 20231



Sir:

The following is an Information Disclosure Statement for the captioned patent application, pursuant to 37 CFR Sections 1.56, 1.97, and 1.98.

1.[x] Attached hereto is:

- a.[x] A list of materials for consideration per Rule 98(a)(1): 4 page(s)
- b.[x] A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule 98(c) and/or (d) and as indicated on the attached list(s):
30 item(s)
- c.[] For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items: _____
- [] Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English.

2.[x] This Information Disclosure Statement is being filed [CHECK ONE]:

- a.[x] WITHIN THREE MONTHS of the application filing date or national stage date of entry OR BEFORE the mailing date of a first Office Action on the merits, whichever event occurs last, WHEREFORE per Rule 97(b) NO filing fee or Rule 97(e) certificate is required.
- b.[] AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance OR an action that otherwise closes prosecution, WHEREFORE PER Rule 97(c) submitted herewith is [CHECK ONE]:
- i.[] Certification per Rule 97(e); OR
- ii.[] Filing Fee per Rule 17(p)\$180.00
- c.[] AFTER a Final Action OR Notice of Allowance, but BEFORE payment of the issue fee, WHEREFORE per Rule 97(d) submitted herewith is:
- i. Certification per Rule 97(e); AND
- ii. Filing fee per Rule 17(p)\$180.00

3.[] Rule 97(e) Certification; per Rule 97(e), the undersigned certifying party make the following certification statement [CHECK ONE]:

- a.[] That each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR
- b.[] That no item of information contained in this Information Disclosure Statement was first cited in a foreign patent office in a counterpart foreign application and to the knowledge of the undersigned after making a reasonable inquiry, was known to any individual designated in Rule 56(c) more than three months prior to the filing of this statement.

CERTIFYING PARTY (if different from bottom signature; omission here indicates that certification is being made by signer per signature below).

Name: _____
Address: _____

Signature: _____
Date: _____

4.[x] DEPOSIT ACCOUNT AUTHORIZATION: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

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Reg. No.: 33,808

Signature: _____

Date: November 30, 2001

(Rev. 5/92) Information Disclosure Statement List By Applicant Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number	Serial Number
	CXU-343	Not yet known
	Applicant	
	Stephen H. Foulger et al.	
	Filing Date : 12/1/00	Group
	Confirmation No. Not known	Not known

NOTE: If no indication is made in the column marked "COPY NOTE," the required legible copy of the corresponding item is submitted herewith; otherwise, a copy is not required and/or not submitted, for the following reason(s) [corresponding reason number is listed in "COPY NOTE" column]

- (1) This item is cumulative, per Rule 98(c)
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 USSN _____, filed _____, or
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- (3) Both reasons (1) and (2) apply
- (4) No legible complete copy is possessed, in custody of controlled, or readily available

U.S. PATENT DOCUMENTS												
EXAMINER INITIALS	PATENTEE NAME		PATENT NUMBER								ISSUE DATE	COPY NOTE
	Loiseux et al.		4	4	5	1	4	1	2		5/29/1984	
	Asher		4	6	2	7	6	8	9		12/9/1986	
	Asher		4	6	3	2	5	1	7		12/30/1986	
	Lawandy		4	8	0	3	6	8	8		2/7/1989	
	Alvarez		5	1	3	1	7	3	6		7/21/1992	
	Nair et al.		5	1	3	3	9	9	2		7/28/1992	
	Haacke et al.		5	2	6	6	2	3	8		11/30/1993	
	Haacke et al.		5	3	6	8	7	8	1		11/29/1994	
	Kobayashi et al.		5	6	6	5	2	7	5		9/9/1997	
	Asher		5	7	3	7	1	0	2		4/7/1998	
	Asher et al.		6	0	0	1	2	5	1		12/14/1999	
	Asher et al.		6	0	1	4	2	4	6		1/11/2000	
	Darrow et al.		6	2	0	1	9	8	0		3/13/2001	

FOREIGN PATENT DOCUMENTS												
EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE				TRANSLATION			COPY NOTE		
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*"NO" means that no copy of an English language translation is within the possession, custody, or control of, or is readily available to any individual designated in Rule 56(c).

EXAMINER INITIALS	OTHER DOCUMENTS	COPY NOTE
	Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	
	FOULGER, Stephen H. et al., Robust polymer colloidal crystal photonic bandgap structures, pgs. 1300-1302, OPTIC LETTERS, Vol. 25, No. 17.	Optical Society of America, September 1, 2000.
	XIA, Younan et al., Monodispersed Colloidal Spheres: Old Materials with New Applications, pgs. 693-713.	Advanced Materials, 12, No. 10, 2000.
EXAMINER	DATE CONSIDERED	
Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.		

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EXAMINER INITIALS	OTHER DOCUMENTS		COPY NOTE
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	ASHER, Sanford A. et al., Mesoscopically Periodic Photonic-Crystal Materials for Linear and Nonlinear Optics and Chemical Sensing, pgs. 44-50.	MRS BULLETIN, October 1998.	
	WEISSMAN, Jesse M. et al., Thermally Switchable Periodicities and Diffraction from Mesoscopically Ordered Materials, pgs. 959-960.	Science, New Series, Vol. 274, Issue 5289 (Nov. 8, 1996).	
	PAN, Guisheng et al., Nanosecond Switchable Polymerized Crystalline Colloidal Array Bragg Diffracting Materials, pgs. 6525-6530.	J. Am. Chem. Soc. 1998, 120.	
	ASHER, Sanford A. et al., Self-Assembly Motif for Creating Submicron Periodic Materials, Polymerized Crystalline Colloidal Arrays, pgs. 4997-4998.	J. Am. Chem. Soc. 1994, 116.	
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EXAMINER INITIALS	OTHER DOCUMENTS		COPY NOTE
	Specify author (if any), Title, Pertinent Pages, Date & Place of Publication		
	SUNKARA, H.B. et al., Lattice dynamics of colloidal crystals during photopolymerization of acrylic monomer matrix, pgs. 887-894.	JOURNAL OF MATERIALS SCIENCE, 33 (1998).	
	JETHMALANI, Jagdish M. et al., Diffraction of Visible Light by Ordered Monodisperse Silica-Poly(methyl acrylate) Composite Films, pgs. 2138-2146.	Chemistry of Materials, Vol. 8, Number 8.	
	JIANG, P. et al., Single-Crystal Colloidal Multipayers of Controlled Thickness, pgs. 2132-2140.	Chem. Mater. 1999, 11.	
	CARLSON, Roger J. et al., Characterization of Optical Diffraction and Crystal Structure in Monodisperse Polystyrene Colloids, pgs. 297-304.	APPLIED SPECTROSCOPY, Vol. 38, No. 3, 1984.	
	LIU, Lei et al., Crystalline Colloidal Array of Water Voids in Hydrogels: Direct Evidence for Entropic Trapping of Flexible Polymers, pgs. 4040-4046.	J. Am. Chem. Soc. 1999, 121.	
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	RUNDQUIST, Paul A. et al., Dynamical Bragg diffraction from crystalline colloidal arrays, pgs. 4932-4941.	J. Chem. Phys., Vol. 91, No. 8, 15.	
	REESE, Chad E. et al., Development of an Intelligent Polymerized Crystalline Colloidal Array Colorimetric Reagent, pgs. 5038-5042.	Analytical Chemistry, Vol. 73, No. 21, November 1, 2001.	
	HOLTZ, John H. et al., Intelligent Polymerized Crystalline Colloidal Arrays: Novel Chemical Sensor Materials, pgs. 780-791.	Analytical Chemistry, Vol. 70, No. 4, February 15, 1998.	
	JETHMALANI, Jagdish M. et al., Optical Diffraction from Silica-Poly(methyl methacrylate) Composite Films, pgs. 2633-2640.	Langmuir 1997, 13.	
	JETHMALANI, Jagdish M. et al., Crystal Structures of Monodisperse Colloidal Silica in Poly(methyl acrylate) Films, pgs. 3338-3344.	Langmuir 1997, 13.	
	PU, Zhengcai et al., Mechanical properties of a poly(methyl acrylate) nanocomposite containing regularly-arranged silica particles, pgs. 545-551.	Polymer Bulletin, Springer-Verlag 1996.	
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